

ExxonMobil™ EVA 7514FL

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 7514FL is an easy processable grade for extrusion coating, co-extrusion coating and cast film. This grade offers excellent heat sealing characteristics and excellent optical properties. Processing Conditions Excellent results are obtained in extrusion coating at 240 °C(464°F) temperature range. Processing temperatures above 250°C (482°F) may cause resin degradation. ExxonMobil™ EVA 7514FL should be fed into the extruder after LDPE of a similar or higher melt index. Machines should always be purged with LDPE or a suitable cleaning compound before shutdown.

General

| | | | |
|---------------------------|---|--|---|
| Availability ¹ | ▪ Africa & Middle East | ▪ Asia Pacific | ▪ Europe |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: Yes |
| Applications | ▪ Adhesive Lamination ▪ Barrier Food Packaging ▪ Cling Layer ▪ Coextrusion Coating | ▪ Document Plastification ▪ Extrusion Coating ▪ Extrusion Lamination ▪ Flexible Packaging | ▪ Industrial Packaging ▪ Injection Molding ▪ Thermal Lamination |
| Revision Date | ▪ 10/01/2017 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|-------------------|
| Density | 0.935 g/cm ³ | 0.935 g/cm ³ | ASTM D1505 |
| Melt Index (190°C/2.16 kg) | 7.5 g/10 min | 7.5 g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 14.0 wt% | 14.0 wt% | ExxonMobil Method |
| Peak Melting Temperature | 193 °F | 89 °C | ExxonMobil Method |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 140 °F | 60 °C | ASTM D1525 |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|-------------------------|--------------------|---------------|
| Tensile Modulus (0.20 in/min (5.0 mm/min)) | 8600 psi | 59 MPa | ASTM D638 |
| Tensile Strength at Break 20 in/min (500 mm/min) | 1700 psi | 12 MPa | ASTM D638 |
| Elongation at Break (20 in/min (500 mm/min)) | 780 % | 780 % | ASTM D638 |
| Durometer Hardness | | | ASTM D2240 |
| Shore A, 15 sec | 91 | 91 | |
| Shore D, 15 sec | 35 | 35 | |

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D4703 Procedure C (Tensile ASTM D638 : Type IV dumbbell, Hardness ASTM D2240 : 3 plied up disks) and 4 mm (157 mil) for VICAT.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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